



IDN5

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DIODE-REMOTE-CUTOFF PENTODE

7-PIN MINIATURE TYPE

GENERAL DATA**Electrical:**

Filament, Coated:

Voltage. 1.4 dc volts

Current. 0.05 amp

Direct Interelectrode Capacitance (Approx.):⁰Diode plate to pentode grid No.1 0.04 $\mu\mu\text{f}$ **Characteristics, Class A₁ Amplifier (Pentode Unit):**

Plate Voltage. 67.5 volts

Grid-No.2 (Screen-Grid) Voltage. 67.5 volts

Grid-No.1 (Control-Grid) Voltage. 0 volts

Plate Resistance (Approx.) 0.6 megohm

Transconductance 630 μmhos

Plate Current. 2.1 ma

Grid-No.2 Current. 0.55 ma

Grid-No.1 Voltage (Approx.) for
transconductance of 10 μmhos -11.5 volts**Mechanical:**

Mounting Position. Any

Maximum Overall Length 2-1/8"

Maximum Seated Length. 1-7/8"

Length, Base Seat to Bulb Top (Excluding tip). 1-1/2" \pm 3/32"

Maximum Diameter 3/4"

Dimensional Outline. See General Section

Bulb T5-1/2

Base Small-Button Miniature 7-Pin (JETEC No.E7-1)

Basing Designation for BOTTOM VIEW6BW

Pin 1 - Filament (-),
Pentode

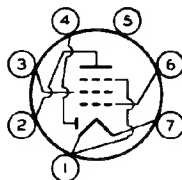
Grid No.3

Pin 2 - Pentode

Plate

Pin 3 - Pentode

Grid No.2

Pin 4 - Diode
PlatePin 5 - No Connec-
tionPin 6 - Pentode
Grid No.1

Pin 7 - Filament (+)

PENTODE UNIT - Class A₁ Amplifier**Maximum Ratings, Design-Center Values:**

PLATE VOLTAGE. 90 max. volts

GRID-No.2 (SCREEN-GRID) VOLTAGE. 90 max. volts

GRID-No.1 (CONTROL-GRID) VOLTAGE:

Negative bias value. 50 max. volts

Positive bias value. 0 max. volts

CATHODE CURRENT. 3 max. ma

Maximum Circuit Values:

Grid-No.1-Circuit Resistance 3.3 max. megohms

⁰ without external shield.

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DIODE-REMOTE-CUTOFF PENTODE

DIODE UNIT

Maximum Ratings, Design-Center Values:

PLATE CURRENT. 0.25 max. ma

Characteristics:

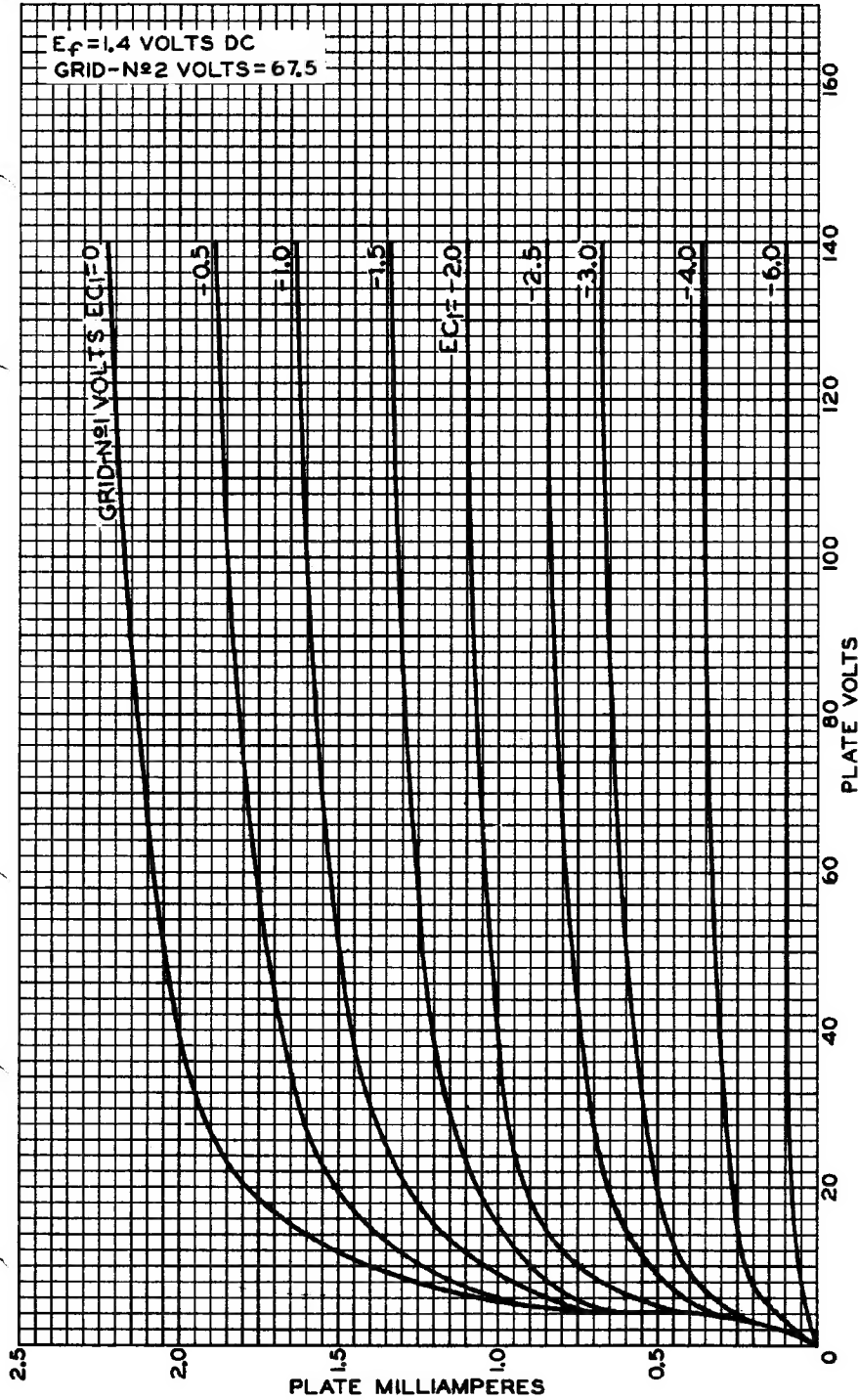
Average Plate Current with dc plate
voltage of 10 volts. 1 ma



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AVERAGE PLATE CHARACTERISTICS PENTODE UNIT

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ELECTRON TUBE DIVISION
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

92CM-9348

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AVERAGE CHARACTERISTICS PENTODE UNIT

